SEQUENCE LISTING

<110> Loren J. Miraglia
Pamela Nero
Mark J. Graham
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Erich Koller
MingYi Chiang
Mano Manoharan

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<151> 1998-03-26

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agg tgt cac ctt gaa ggt ggg agt gat caa aag gac ctt gta caa gag   734
Arg Cys His Leu Glu Gly Gly Ser Asp Gln Lys Asp Leu Val Gln Glu
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Thr Ser Ser Arg Arg Arg Ala Ile Ser Glu Thr Glu Glu Asn Ser Asp
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Glu Leu Ser Gly Glu Arg Gln Arg Lys Arg His Lys Ser Asp Ser Ile
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Ser Gln Ile Pro Ala Ser Glu Gln Glu Thr Leu Val Arg Pro Lys Pro
             20                  25                  30

ttg ctt ttg aag ttg tta aag tcc gtt gga gcg caa aac gac act tac   144
Leu Leu Leu Lys Leu Leu Lys Ser Val Gly Ala Gln Asn Asp Thr Tyr
         35                  40                  45

act atg aaa gag att ata ttt tat att ggc cag tat att atg act aag   192
Thr Met Lys Glu Ile Ile Phe Tyr Ile Gly Gln Tyr Ile Met Thr Lys
     50                  55                  60

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Arg Leu Tyr Asp Glu Lys Gln Gln His Ile Val Tyr Cys Ser Asn Asp
 65                  70                  75                  80

ctc cta gga gat gtg ttt gga gtc ccg agt ttc tct gtg aag gag cac   288
Leu Leu Gly Asp Val Phe Gly Val Pro Ser Phe Ser Val Lys Glu His
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Arg Lys Ile Tyr Ala Met Ile Tyr Arg Asn Leu Val Ala Val Ser Gln
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Ser Ser Ser Asp Leu Ile Ser Arg Leu Ser Thr Ser Ser Arg Arg Arg
145                 150                 155                 160

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Ser Ile Ser Glu Thr Glu Glu Asn Thr Asp Glu Leu Pro Gly Glu Arg
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cac cgg aag cgc cgc agg tcc ctg tcc ttt gat ccg agc ctg ggt ctg   576
His Arg Lys Arg Arg Arg Ser Leu Ser Phe Asp Pro Ser Leu Gly Leu
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tgt gag ctg agg gag atg tgc agc ggc ggc agc agc agc agt agc agc   624
Cys Glu Leu Arg Glu Met Cys Ser Gly Gly Ser Ser Ser Ser Ser Ser
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Ser Ser Ser Glu Ser Thr Glu Thr Pro Ser His Gln Asp Leu Asp Asp
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225                 230                 235                 240

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Val Tyr Arg Val Thr Val Tyr Gln Thr Gly Glu Ser Asp Thr Asp Ser
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Phe Glu Gly Asp Pro Glu Ile Ser Leu Ala Asp Tyr Trp Lys Cys Thr
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Ser Cys Asn Glu Met Asn Pro Pro Leu Pro Ser His Cys Lys Arg Cys
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tgg acc ctt cgt gag aac tgg ctt cca gac gat aag ggg aaa gat aaa  1008
Trp Thr Leu Arg Glu Asn Trp Leu Pro Asp Asp Lys Gly Lys Asp Lys
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gtg gaa atc tct gaa aaa gcc aaa ctg gaa aac tca gct cag gca gaa  1056
Val Glu Ile Ser Glu Lys Ala Lys Leu Glu Asn Ser Ala Gln Ala Glu
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gaa ggc ttg gat gtg cct gat ggc aaa aag ctg aca gag aat gat gct  1104
Glu Gly Leu Asp Val Pro Asp Gly Lys Lys Leu Thr Glu Asn Asp Ala
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Pro Leu Ser Gln Glu Ser Asp Asp Tyr Ser Gln Pro Ser Thr Ser Ser
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agc att gtt tat agc agc caa gaa agc gtg aaa gag ttg aag gag gaa   1248
Ser Ile Val Tyr Ser Ser Gln Glu Ser Val Lys Glu Leu Lys Glu Glu
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acg cag gac aaa gac gag agt gtg gaa tct agc ttc tcc ctg aat gcc   1296
Thr Gln Asp Lys Asp Glu Ser Val Glu Ser Ser Phe Ser Leu Asn Ala
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atc gaa cca tgt gtg atc tgc cag ggg cgg cct aaa aat ggc tgc att   1344
Ile Glu Pro Cys Val Ile Cys Gln Gly Arg Pro Lys Asn Gly Cys Ile
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gtt cac ggc aag act gga cac ctc atg tca tgt ttc acg tgt gca aag   1392
Val His Gly Lys Thr Gly His Leu Met Ser Cys Phe Thr Cys Ala Lys
    450                 455                 460

aag cta aaa aaa aga aac aag ccc tgc cca gtg tgc aga cag cca atc   1440
Lys Leu Lys Lys Arg Asn Lys Pro Cys Pro Val Cys Arg Gln Pro Ile
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